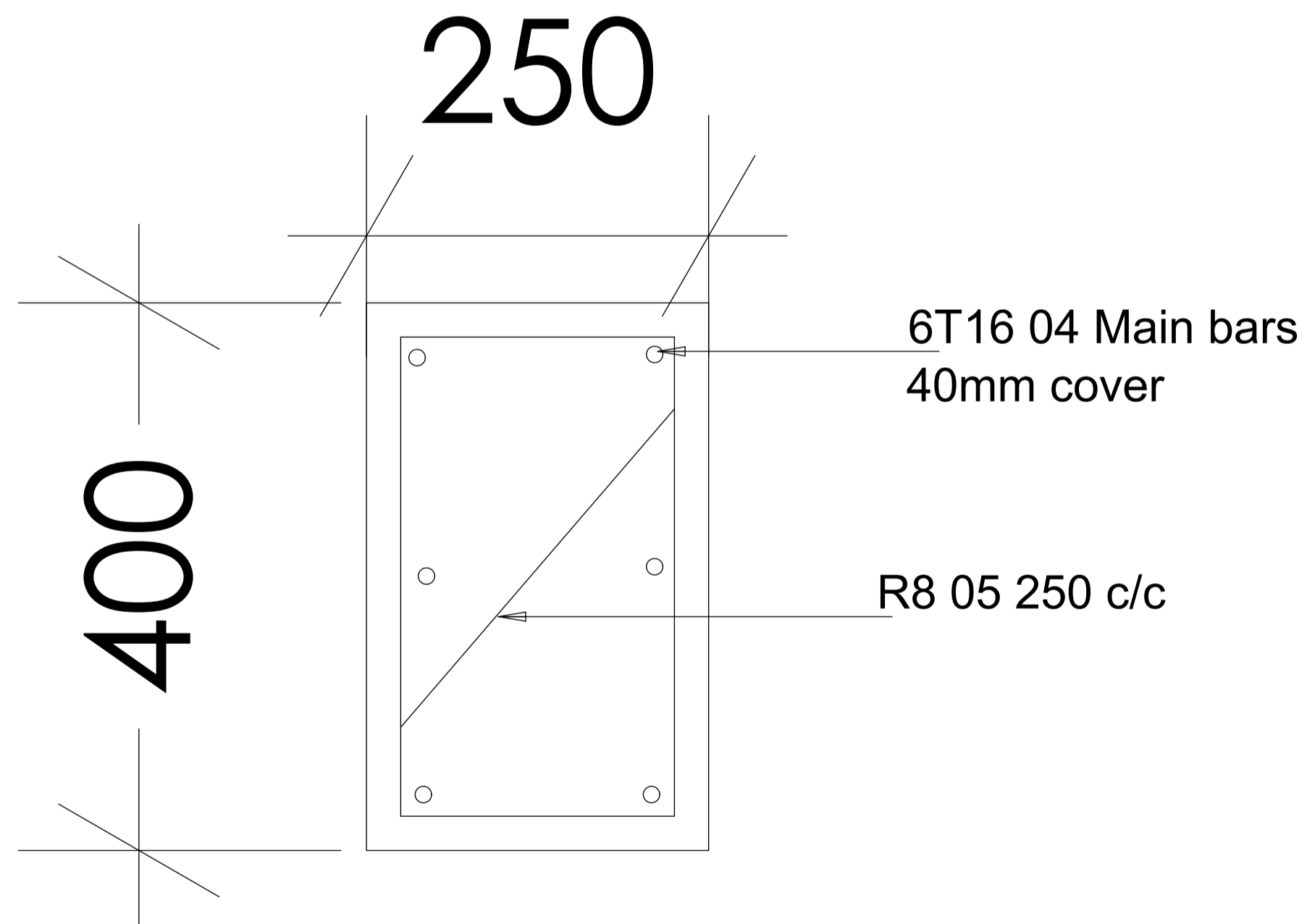
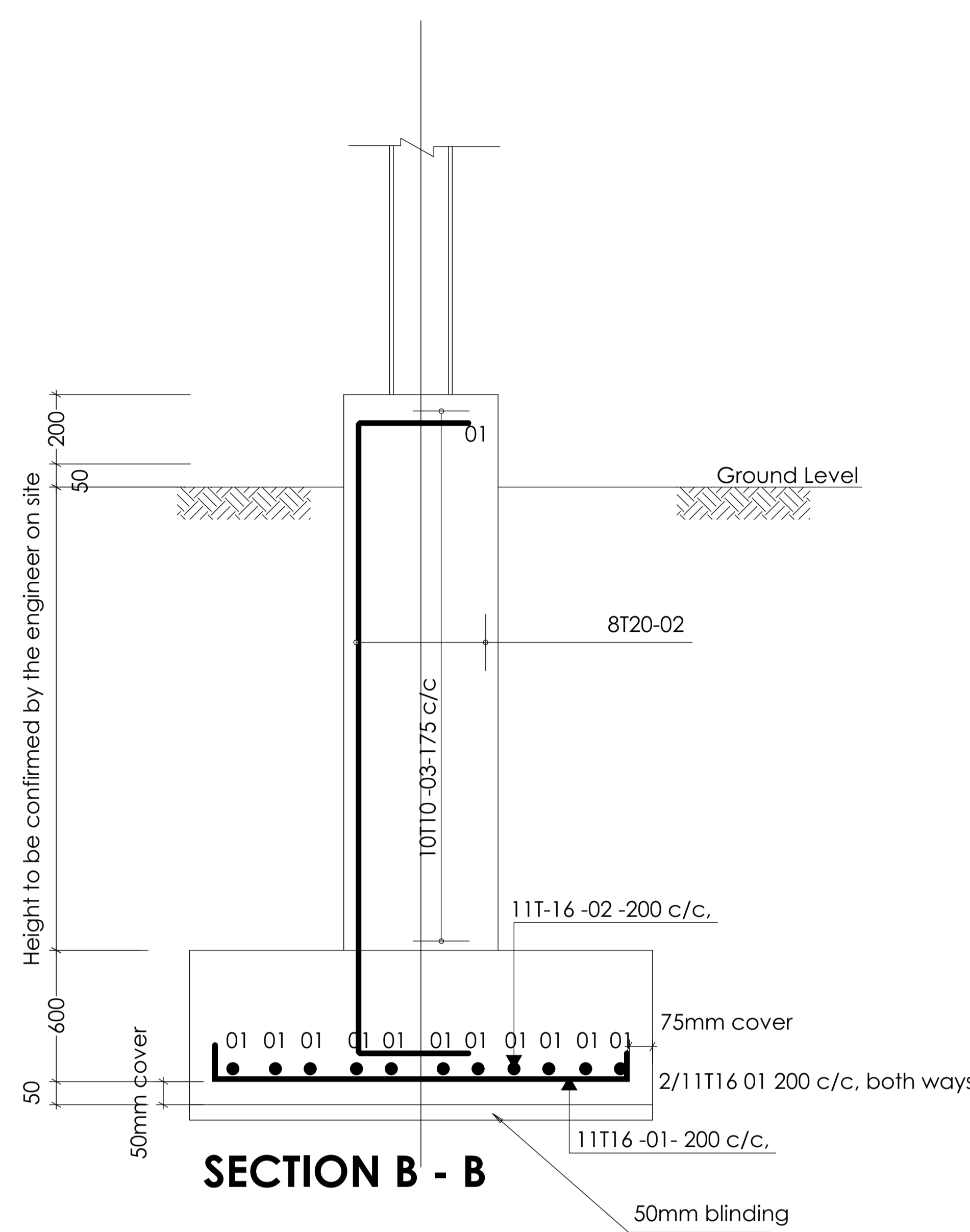


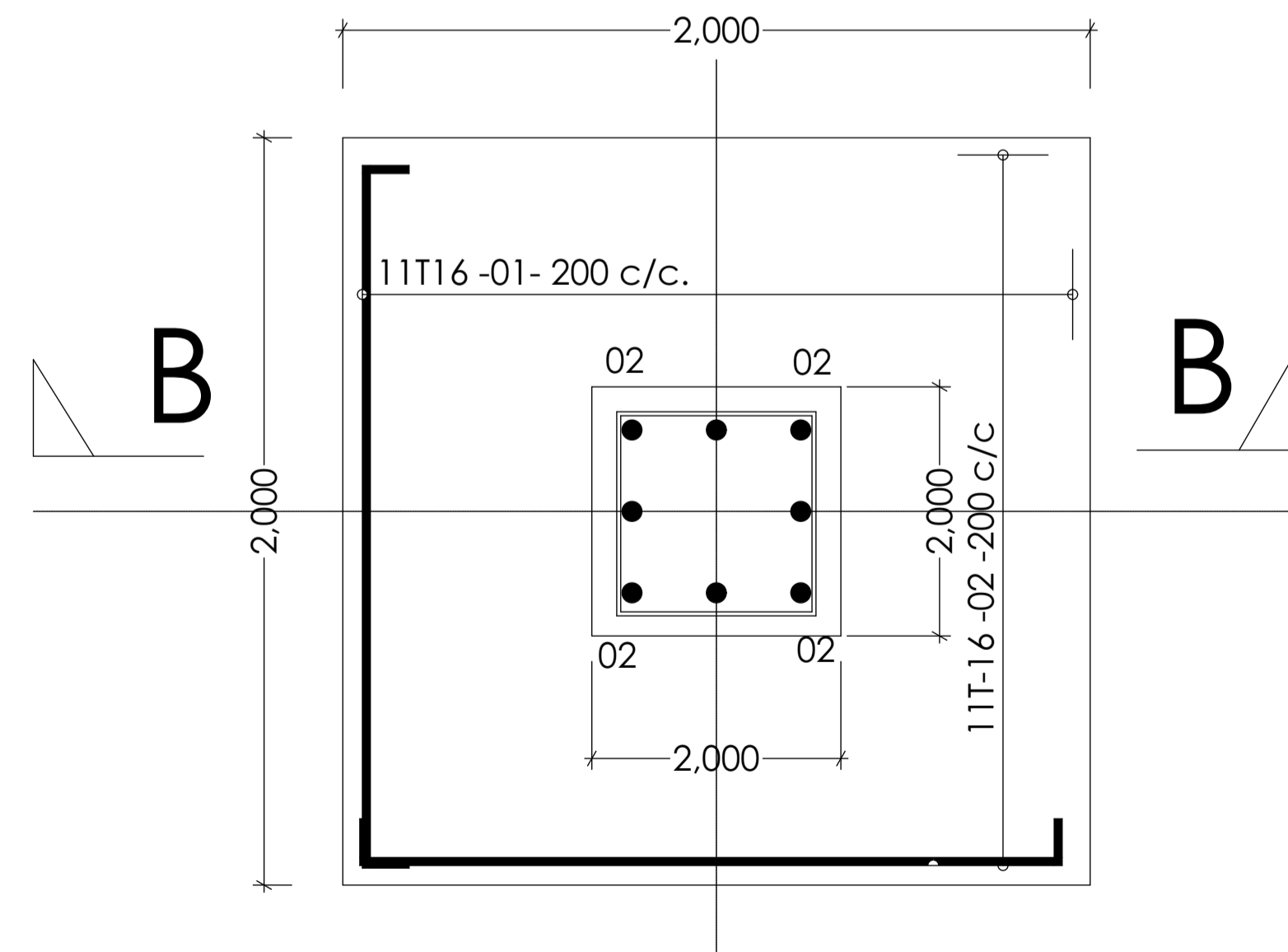
FOUNDATION LAYOUT
1:100



TYPICAL SECTION THROUGH
400x250 R.C GROUND BEAM



SECTION B - B



2000x2000x600mm
R.C COLUMN BASE, 4 No.

GENERAL NOTES

1.REFERENCES

All engineering drawings shall be read in conjunction with all architects drawings. Any discrepancies should be reported to both the architect and engineer.

2.DIMENSIONS

All dimensions are in millimetres (unless stated otherwise).

3.The code for the design of reinforced concrete is BS 8110;For the Structural use of concrete in Buildings.

4.FOUNDATION

Foundation has been designed on bearing pressure of 150KN/m. Foundation depth to be determined by engineer prior to placing concrete.Minimum foundation depth to be 1000mm below ground.

5.BLOCKWORK

All load bearing block walls to be constructed from solid block of 5.0 N/mm min.characteristic compression strength complying with BS 5628 Part 11978 Structural Use of Unreinforced Masonry.Mortar to conform to mortar designation (iii) of table 1 BS 5628 Part1.

6.CONCRETE

PROPOSED USE	GRADE	PERMITTED TYPE AGGREGATE		MAX. SIZE AGGREGATE	WORKABILITY
		COARSE	FINE		
REINFORCED CONCRETE.	C25-30	BS 882	BS 882	20mm	MEDIUM (75)
CONCRETE CONTAINING NO EMBEDDED METAL	C20-25	BS 882	BS 882	40mm	MEDIUM (75)
BLINDING CONCRETE	C15	BS 882	BS 882	20mm	MEDIUM (75)
CONCRETE IN MINOR ELEMENTS e.g LINTELS	C25-30	BS 882	BS 882	10mm	MEDIUM (75)

7.COVER

LOCATION	COVER
TO MESH IN GROUND SLAB	30mm
COLUMNS (COVER TO LINKS)	25mm
SLAB (COVER TO MAIN BARS)	25mm
FOUNDATIONS TOP	40mm
FOUNDATION BOTTOM	50mm

8. JOINTS

Movement joints to be at a maximum 9.0m centres.Joint positions as indicated on drawing. Joint in slab to be carried through walls to underside of ringbeam.

9. WALL TIES

Provide masonry anchors every 2 courses using 25mm high tensile hoop iron.

10. REINFORCEMENT

R-Round mild steel bars to BS 4449.

Y-High yield bond bars to BS 4461.

Bending of bars to be in accordance with BS 4466:1969.

STRUCTURAL STEEL WORK

11.The code used for the design of structural steel work is BS 5950.

12. All steel work to be of grade 43.

13.All steel work is to be welded in accordance with BS 1856,BS 938 and 639.

14.The minimum size of fillet weld shall be 6mm.

15.Unless otherwise stated, size of members are as shown on drawings.

Signature:

Description: HEALTH CENTRE TANK DETAILS

Designed: W.K

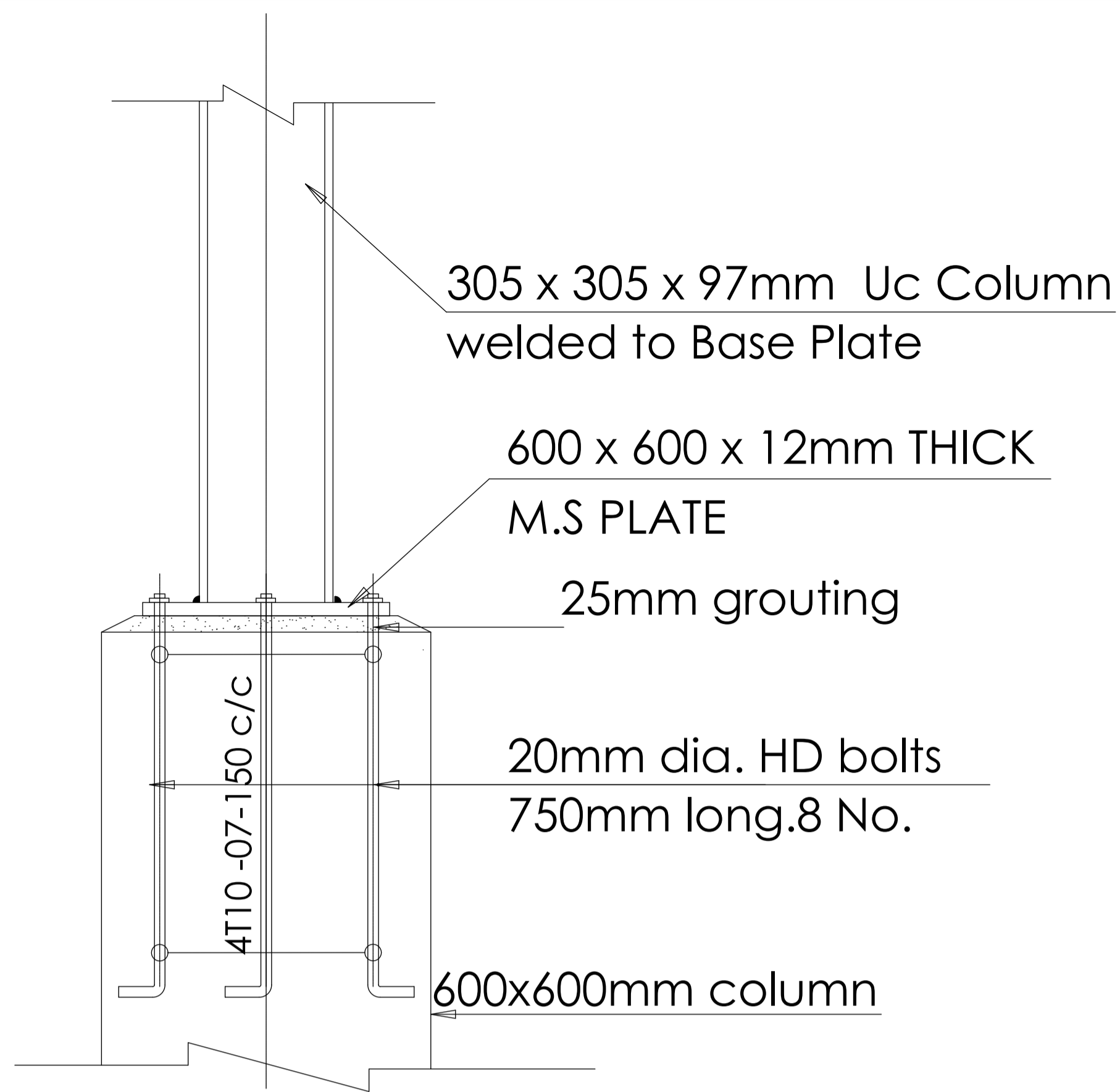
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Certified:

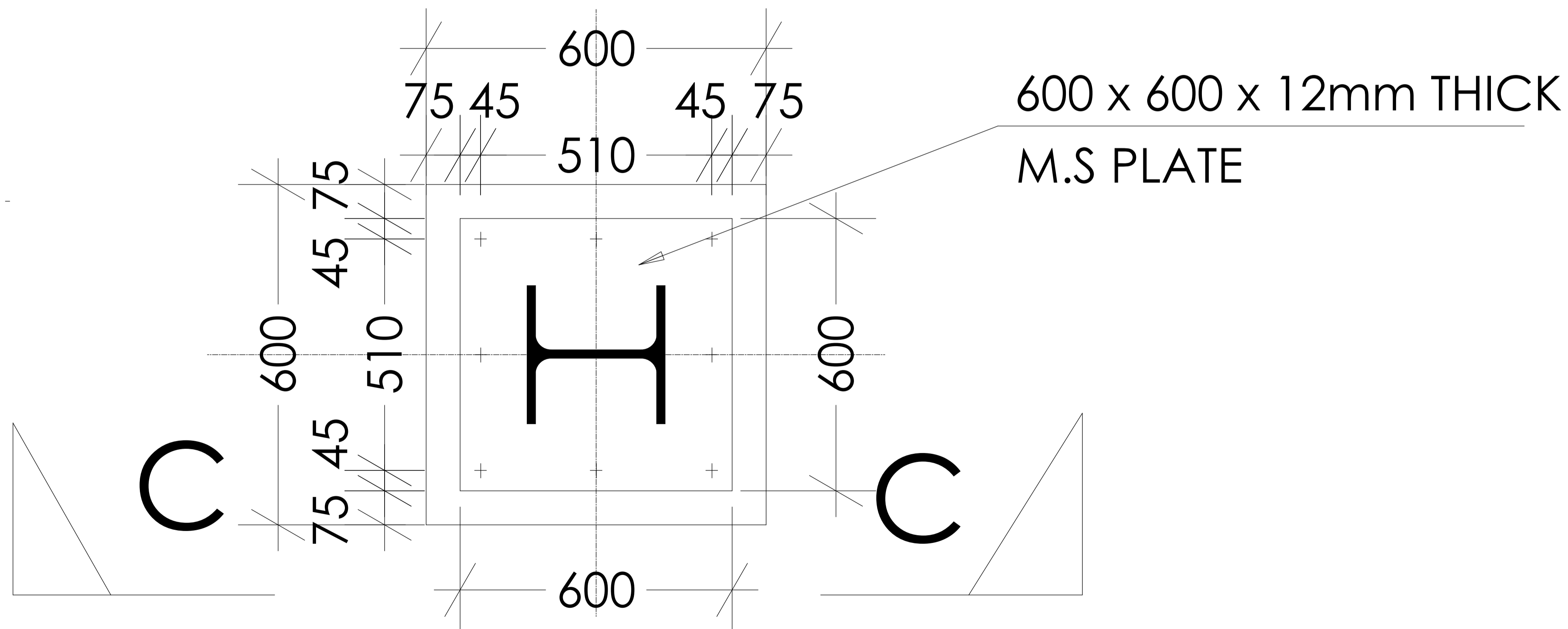
Checked Technical:

drg. IDF/HC/No: 04

DATE: APRIL 2025



SECTION C - C



DETAIL 'X'

GENERAL NOTES

1. REFERENCES

All engineering drawings shall be read in conjunction with all architects drawings. Any discrepancies should be reported to both the architect and engineer.

2. DIMENSIONS

All dimensions are in millimetres (unless stated otherwise).

3. The code for the design of reinforced concrete is BS 8110; For the Structural use of concrete in Buildings.

4. FOUNDATION

Foundation has been designed on bearing pressure of 150KN/m. Foundation depth to be determined by engineer prior to placing concrete. Minimum foundation depth to be 1000mm below ground.

5. BLOCKWORK

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6. CONCRETE

PROPOSED USE	GRADE	PERMITTED TYPE AGGREGATE		MAX. SIZE AGGREGATE	WORKABILITY
		COARSE	FINE		
REINFORCED CONCRETE.	C25-30	BS 882	BS 882	20mm	MEDIUM (75)
CONCRETE CONTAINING NO EMBEDDED METAL	C20-25	BS 882	BS 882	40mm	MEDIUM (75)
BLINDING CONCRETE	C15	BS 882	BS 882	20mm	MEDIUM (75)
CONCRETE IN MINOR ELEMENTS e.g LINTELS	C25-30	BS 882	BS 882	10mm	MEDIUM (75)

7. COVER

LOCATION	COVER
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15. Unless otherwise stated, size of members are as shown on drawings.

Signature:

Description: HEALTH CENTRE TANK DETAILS

Designed: W.K

Drawn: W.K

Certified:

Checked Technical:

drg. IDF/HC/No: 04

DATE: APRIL 2025